

CLAIM AMENDMENTS

1. (currently amended) A method of calibrating an electrical circuit for sensing a temperature, said method comprising the steps of:
 - a. providing a temperature sensor,
 - b. providing an electrical circuit adapted to receive a signal from the ~~thermistor~~ temperature sensor and to produce an output signal indicative of the sensed temperature of the ~~thermistor~~ temperature sensor,
 - c. inputting at least two known electrical voltages to the circuit,
 - d. analyzing the output signals representative of the output for each of the at least two input voltage signals,
 - e. using a set of equations equal to the number of the at least two input voltage signals to determine the constants in the equations, and
 - f. using the determined constants to calibrate the electrical circuit.
2. (original) A method as defined in claim 1 wherein said step of providing a temperature sensor comprises providing a thermistor.
3. (original) A method as defined in claim 2 wherein said step of using a set of equations comprises using two equations, each corresponding to one of said input voltages.
4. (original) A method as defined in claim 1 wherein said step of providing an electrical circuit includes providing an electrical circuit having a voltage divider.
5. (original) A method as defined in claim 1 wherein said step of providing an electrical circuit includes providing an electrical circuit having an analog to digital converter and wherein said output signal is in digital form.
6. (original) A method as defined in claim 1 wherein said step of using a set of equations comprises using the equation $V_o = mV_1 + b$ and solving for the constants m and b.

Claims 7-12 (canceled)

13. (original) A method of calibrating an electrical circuit, said method comprising the steps of:

- a. providing an electrical component producing a signal representative of a sensed parameter,
- b. providing an electrical circuit adapted to receive a signal from the electrical component and to produce an output signal indicative of the sensed parameter,
- c. inputting at least two known electrical voltages to the circuit,
- d. analyzing the output signals representative of the output for each of the at least two input voltage signals,
- e. using a set of equations equal to the number of the at least two input voltage signals to determine the constants in the equations, and
- f. using the determined constants to calibrate the electrical circuit.

14. (currently amended) A method of calibrating an electrical circuit as defined in claim 13 ~~where~~ wherein said step of inputting at least two known electrical voltages comprises inputting two voltages and said step of using a set of equations comprises using two equations having two unknowns.

15. (original) A method of calibrating an electrical circuit as defined in claim 14 wherein said two unknowns are the span and offset constants for said circuit.

16. (original) A method of calibrating an electrical circuit as defined in claim 15 wherein said sensed parameter is temperature.